

A Meeting With the Biologists of the Transcaucasian Region.
Joint Session of the Biological Departments of Two Academies.

30-1-32/39

- 13) V. M. Gulisashvili: Contradictory peculiarities in the heredity of relict types of wood and their importance for the development of vegetable organisms.
- 14) M. Kh. Shaylakhyan: The chemical stimulation of the growth and the blossoming of plants.
- 15) Ye. N. Mishustin: The theory of the microbe associations of the soil.
- 16) P. A. Genkel': The importance of colloidal-chemical properties of the protoplasm for the physiology of plant resistance.
- 17) T. S. Salakhadze: Growth substances and the resistance against frost of citrus plants.
- 18) M. N. Chrelashvili: The influence exercised by low temperatures on the state of the stratification in certain evergreens.
- 19) V. L. Menabde: Hybridization as one of the factors of the enrichment and renewal of the stock of types and species of Gruziya wheat.
- 20) T. S. Kozeli: The vitamin composition of the principal fodder plants of the meadows and hay fields of Gruziya.
- 21) L. F. Pravdin: The next tasks to be performed by forest selection in accordance with various natural conditions.
- 22) V. P. Volobuyev: Soil-climatic correlations and energetics

Card 3/4

A Meeting With the Biologists of the Transcaucasian Region.
Joint Session of the Biological Departments of Two Academies.

30-1-32/39

of soil formation.

23) E. M. Lavrenko: The Caucasus and the mountains of Central Europe in botanical and geographical respect.

24) A. L. Kharadze: On the history of mountain xerophyte vegetation of the Central Caucasus.

25) S. V. Zonn: Comparative characteristic of the red earth of Georgia and China.

26) V. G. Kazaryan: The principal points of the theory of the increasing contradiction in plant ontogenesis.

27) L. Sh. Davitashvili: The theory on the progress of evolution and the tasks of modern biology.

AVAILABLE: Library of Congress

1. Biology-Conference 2. Scientific reports

Card 4/4

PEYVE, Ya.V., glav. red.; ALIYEV, G.A., akademik, red.; ABUTALYBOV, M.G., prof., red.; BERZIN, YA.M. [Berzins, J.], akademik, red.; VINOGRADOV, A.P., akademik, red.; VLASYUK, P.A., akademik, red.; VOYNAR, A.O., prof., red.; DROBKOV, A.A., prof., red.; KATALYMOV, M.V., prof., red.; KOVAL'SKIY, V.V., red.; KOVDA, V.A., red.; KEDROV-ZIKHMAN, O.K., akademik, red.; LEONOV, V.A., akademik, red.; PETERBURGSKIY, A.V., prof., red.; SINYAGIN, I.I., red.; CHERNOV, V.A., prof., red.; CHANISHVILI, Sh.F., red.; SHKOL'NIK, M.Ya., prof., red.; SHCHERBAKOV, A.P., kand. sel'khoz. nauk, red.; VENGRANOVICH, A., red.; DYMARSKAYA, O., red.; KLYAVINYA, A. [Klavina, A.], tekhn. red.

[Use of trace elements in agriculture and medicine; transactions]
Primenenie mikroelementov v sel'skom khoziaistve i meditsine; trudy.
Riga, Izd-vo Akad.nauk Latviiskoi SSR, 1959. 706 p. (MIRA 14:12)

1. Vsesoyuznoye soveshchaniye po mikroelementam. 3d, Baku, 1958.
2. Chlen-korrespondent Akademii nauk SSSR (for Peyve, Kovda). 3. AN Azerbaydzhanskoy SSR (for Aliyev). 4. AN Latviyskoy SSR (for Berzin).
5. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Vlasyuk, Kedrov-Zikhman). 6. AN Belorusskoy SSR (for Leonov).
7. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Sinyagin, Koval'skiy). 8. Chlen-korrespondent AN Gruzinskoy SSR (for Chanishvili).

(Trace elements) (Biochemistry) (Agriculture)

CHANISHVILI, Sh.Sh.

Distribution of radiophosphorus in certain stock varieties
of grapevines. Soob.AN Gruz.SSR 22 no.5:559-562 My '59.
(MIRA 12:11)

1. Akademiya nauk Gruzinskoy SSR, Institut botaniki, Tbilisi.
Predstavleno akademikom L.I.Dzhaparidze.
(Phosphorus--Isotopes) (Grape)

CHANISHVILI, Sh.Sh.

Movement of assimilable substances leaves of different levels into the grapes. Soob.AN Gruz.SSR 25 no.2:179-184 Ag '60.

(MIRA 13:11)

1. AN GruzSSR, Institut botaniki, Tbilisi. Predstavleno akademikom L.I.Dzhaparidze.

(Grape)

(Plants--Assimilation)

CHKUASELI, T.Ya.; CHANISHVILI, Sh.Sh.

Effect of potassium and calcium ions on the uptake of radioactive
phosphorus in the root system of the grapevine. Socb. AN Gruz. SSR 32
no.2:421-424 '63. (MIRA 18:1)

1. Submitted July 8, 1962.

CHANISHVILI, Sh.Sh.; DZHAPARIDZE, L.I., red.

[Translocation of assimilates in grapevine] Peredvizhenie
assimiliatov v vinogradnoi loze. Tbilisi, Izd-vo AN Gruz.
SSR, 1964. 102 p. (MIRA 17:5)

KURASHVILI, B. Ye.; KAKULIYA, G.A.; CHANISHVILI, Sh.Sh.

Study of the alimentary interrelationship between nematodes
living under the elytra of the European spruce bark beetle and
the bark beetle as a host. Soob. AN Gruz. SSR 33 no.3:671-678
Mr '64 (MIRA 17:8)

Country : USSR
Category: Virology. Bacterial Viruses (Phages)

E

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105479

Author : Chanishvili, T. G.
Inst : -

Title : Selection of High-Quality Dysentery Bacteriophage
by Means of Passage Through the Bodies of Patients
and the Characteristics of them.

Orig Pub: Sb. Bakteriofagiya. Tbilis, Gruzmedgiz, 1957,
99-108.

Abstract: Polyvalent phage was given to dysentery patients for
three days (in a dose of 30 cubic centimeters with
soda solution). One to two grams of the freshly-taken
stool of these patients were inoculated into 20 cubic
centimeters of MPB, to which one cubic centimeter of

Card : 1/2

Country : USSR

Category: Virology. Bacterial Viruses (Phages)

E

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103492

Author : Chanishvili, T. G.

Inst : -

Title : The Problem of Differentiation of the Principal
Serologic Types of Salmonella by Means of Bacterio-
phage

Orig Pub: Sb. Bakteriofagiya. Tbilisi, Gruzmedgiz, 1957,
207-215.

Abstract: No abstract.

Card : 1/1

2A

E

Card : 1/2

CHANISHVILI, T. G.

"Selection of a dysentery bacteriophage by means of passing it through the organism of the patients and its characteristics."

Report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists. 1959

CHANISHVILI, V. F.

"Using Underground Wells for Filling-In Mined Space at the Mines of the Tkibuli Coal Deposits," Ugol', No 6, 1952

CHANISHVILI, V.F.; KIPSHIDZE, Iv., red. [deceased]; TOPURIA, Sh.,
red.izd-va; TOMUA, A., tekhn.red.

[Development of manganese mining in Georgia] Razvitie
margantsevoi promyshlennosti v Gruzii. Tbilisi, Izd-vo
Akad.nauk Gruzinskoi SSR, 1960. 564 p.

(MIRA 14:4)

(Georgia--Manganese mines and mining)

LEKISHVILI, Vladimir Illarionovich; MIKELADZE, Aleksandr
Semenovich; CHANICHVILI, Vladimir Fomich; ANDISHVILI, A.A.,
red.

[Methods of mining the coal deposits of Georgia] Metody
razrabotki kamennougol'nykh mestorozhdenii Gruzii. Tbilisi,
Metsniereba, 1955. 169 p. (MIRA 18:11)

DGEBUADZE, V.A.; SIGUA, A.N.; CHANISHVILI, Ye.D.; ARSEBA, S.Ya., kand.
med.nauk, red.; SICHINAVA, G.N., kand.med.nauk, red.; PISHCHIK,
M.S., tekhred.

[Handbook of new medicines and their use in therapy] Spravochnik
novykh lekarstvennykh preparatov i ikh vrachebnoe primeneniye;
vypiski. Sukhumi... Pt. 1. 1956. 109 p. (MIRA 12:4)
(PHARMACOLOGY)

L 44762-66 REC(k)-2

ACC No AP6032886

SOURCE CODE: HU/0012/65/013/008/0240/0241

AUTHOR: ~~Geenky~~ Lajos--Chanki, L. (Graduate electrical engineer) 30

ORG: Nuclear Research Institute, MTA, Debrecen (Magyar Tudományos Akadémia Atommag Kutató Intézet) 8

TITLE: Fluorimeter of high sensitivity 15

SOURCE: Meres es automatika, v. 13, no. 8, 1965, 240-241

TOPIC TAGS: photoelectron multiplier, integrated electronic device/Y 25 photoelectron multiplier

ABSTRACT: The construction, operation, performance, and applications of the new fluorimeter developed at the Nuclear Research Institute at the Hungarian Academy of Sciences was described and illustrated with block and schematic diagrams. The instrument is basically similar to that described by MATHE and SZALAY [initial(s) not given] in Magyar Fizikai Folyoirat, Vol 5, 1957, pp 247-250, except that it contains a Y 25 photoelectron multiplier instead of the RCA 931 in its optical section. The optical unit and the solid-state electronic unit are housed separately. The instrument was developed under the guidance of SZALAY, Sandor, Director of the Institute.

Orig. art. has: 2 figures. [JPRS]

SUB CODE: 09 / SUBM DATE: 11Jun63 / ORIG REF: 001 / OTH REF: 001

Card 1/1 ULR

UDC: 546.16.08:53.089.52

CHANKIN, V.V.

Spectral analysis of diesel oil. Elek.i tepl.tiaga 6 no.12:36-
37 D '62. (MIRA 16:2)

1. Rukovoditel' fiziko-tekhnicheskoy laboratorii Vsesoyuznogo
nauchno-issledovatel'skogo instituta zheleznodorozhnogo trans-
porta Ministerstva putey soobshcheniya.
(Diesel engines) (Lubrication and lubricants)

CHANKIN, V.V., kand. tekhn. nauk; PAKHOMOV, E.A., kand. tekhn. nauk

Dynamics of the change in the concentration of impurities in diesel
lubricants. Vest. TSNII MPS 23 no.6:31-34 '64. (MIRA 17:10)

CHANKOTADZE, V.R., inzh.; KOBALADZE, K.L., inzh.

Trapezoidal oscillation unit. Mekh. i avtom.proizv. 19 no.3:36
Mr '65. (MIRA 18:4)

GANEV, G.; KHADZHIEV, D.; KARAMALAKOV, L.; TSEKOVA, M.; SIRAKOV, A.;
ATANASOV, K.; CHANKOV, I.; TSOLOV, N.; VASILEVA, I.

Treatment of parkinsonism with a new preparation INHA-17. *Suvrem
med.*, Sofia no.4/5:35-44 '61.

1. Iz Nauchnoissledovatel'skiiia institut po nevrologiia i psikhiatriia.
(Direktor G. Ganev).

(ISONIAZID rel cpds) (PARALYSIS AGITANS ther)

UZUNOV, G.; BOZHINOV, S.; GEORGIEV, Iv.; CHANKOV, Iv.

Electrophoretic studies on protein fractions of the cerebrospinal fluid and blood serum in patients with hyperkinetic subacute progressive encephalitis. Isv. inst. klin. obsht. med. 4:63-75 '60.

(BLOOD PROTEINS) (PROTEINS csf) (ELECTROCARDIOGRAPHY)
(ENCEPHALITIS metab) (MOVEMENT DISORDERS metab)

GOSPODINOV, G.; CHANKOV, K.

Apropos of arteriovenous aneurysms of the sinus and external carotid artery. Khirurgiia (Sofiia) 18 no.5:554-557 '65.

1. Katedra po rentgenologiya i radiologiya (rukovoditel - prof. G. Khadzhidekov), Institut z spetsializatsiya i usuvurshenstvuvane na lekarite, Sofiia, i Oblastna obedinena transportna bolnitsa, Sofiia (gl.lekar G. Cheshmedzhiev).

CHANKOV, ZH.

"An Interesting but Forgotten Book on Geography", P. 19,(GEOGRAFIIA, Vol. 4,
No. 2, 1954, Sofiya, Bulgaria)

So: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1,
Jan. 1955, Uncl.

Chankov, Zh.

"Koprivshtitsa" P. 4
(GEOGRAFIJA, Vol. 4, No. 8, 1954 - Bulgaria)

SO: Monthly List of East European Accessions (EEAL) , LC. Vol. 4, No. 4,
Apr. 1955, Uncl.

CHANKOV, ZH.

"Felix Kanitz; the 50th Anniversary of his death", P. 4.
(GEOGRAFIIA, Vol. 4, No. 9, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC,
Vol. 4. No. 6, June 1955, Uncl.

CHANKOV, ZHECHO

Geography and Geology

Geografski rechnik na Bulgaria. Sofia, Nauka i izkustvo,
1958. 537 p.

NN

DLC has variant edition.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No2 2,
February 1959, Unclass.

CHANKOV, Zh.
SURNAME (in caps); Given Names

Country: Bulgaria

Academic Degrees: not indicated

Affiliation: Member of the staff of Geografiya, Editor: Tyanko YORDANOV

Source: Sofia, Geografiya, No 2, 1961, pp 24

Data: "Dimitur Kostov's Book Arbanasi"

U.S.S.R.

Electroreduction processes on oxidized steel. I. Electroreduction of oxygen. A. S. Anas'ev and P. N. Chankova (Met. Inst. Dnepropetrovsk). *Zhur. Fiz. Khim.* 1975, 51(1954); cf. C.A. 48, 3165a. Cathodic polarization curves were detd. for steel (a) as produced in a rolling mill, (b) pickled and then heated at 450°, (c) pickled and then anodically oxidized in alkali, (d) alternately immersed in tap water and dried, and (e) freshly pickled. In 8% KOH and in Tomashov's soln. (0.5M NaCl + 0.005M NaHCO₃ + 0.005M Na₂CO₃) the curves were similar for all oxidized samples. The electrode potential was due to reduction of O between -0.25 and -0.86 v. relative to N H electrode. The limiting diffusion c.d. was near 10⁻⁴, 10⁻³, 10⁻⁴, and 10⁻³ amp./sq. cm. in O-free undisturbed liquid, in undisturbed but air-satd. liquid, in agitated and air-satd. liquid, and in agitated and O-satd. liquid, resp. Sample d, because of the extended true surface, had a limiting c.d. of 6 × 10⁻³ in the agitated liquids. The O overvoltage at c.d. = 10⁻³ was 0.9-1.3 v. for all samples. Along that stretch of the polarization curves for which the Tafel equation was valid, b of this equation was 0.14-0.44 v. instead of the theoretical value of 0.12 v.; however, correction for concn. polarization (Tomashov, *The Corrosion of Metals with Oxygen Depolarization*, 1947 (C.A. 42, 5078)) lowered b to 0.12-0.22 v. J. J. Bikerman

18
18
11
4523
Electrolytic reduction processes on oxidized steel. II
Electrolytic reduction of oxygen. A. S. Afanas'ev and E. N.
Chankova. Zhur. Fiz. Khim. 50: 2294-300 (1976).
The electrodes used were the same as de-
scribed in part I. Steel having oxidized or unoxidized sur-
faces, immersed in an aerated alkali solution is an effective
cathode. Reproducibility of the potential values and of
any outside current supply, of the cathodic polarization
curve, and of the charging curve of such electrodes is such
that with 0.1 or slight polarization produced by an outside
current, the steel electrode potential in a strongly alkali-
aerated solution is apparently principally caused by a reduction of
O to H_2O_2 . The potential of the oxidized steel in the ab-
sence of an outside current is close to the equilibrium potential
of the process; at stronger cathodic polarization, the principal
process determining the potential is apparently the electrolytic
reduction of H_2O_2 , characterized by electrochem. polariza-
tion. W. M. Sternberg

Dnepropetrovsk Metallurgical Inst

CHANKOVH, I. N.

18
Electroreduction processes on oxidized steel III
Electroreduction of the oxides of iron, manganese, and
chromium with metallic substrates

18
- E 2
part 5
(1986)

Dnepropetrovskiy metallurgicheskiy
INSTITUT.

AUTHORS: Afanas'yev, A. S., Chankova, Ye. N. SOV/76-32-9-11/46

TITLE: **Electroreductive** Processes on Oxidized Steel (Elektrovosstanovitel'nyye protsessy na okislennoy stali) IV. Evolution of Hydrogen (IV. Vydeleniye vodoroda)

PERIODICAL: Zhurnal fizicheskoy khimii, 1958, Vol 32, Nr 9, pp 2015 - 2019 (USSR)

ABSTRACT: The evolution of hydrogen at a cathode consisting of steel oxidized on its surface was investigated. A 1,5 n. potash solution was used as the electrolyte. During the course of the hydrogen evolution oxygen and the iron oxides of the phase layers were electrochemically reduced at the same time. Charge curves at different current densities were plotted (Fig 1), as were polarization curves for steel with different oxidation layers (Figs 2,3, and 4). The constants in Tafel's equation were determined for different oxide layers and at different degrees of aeration of the electrodes (Table 2). In the case of any reduction of the iron oxide the values of the constants a' , a and b in Tafel's equation decrease.

Card 1/2

Electroreductive Processes on Oxidized Steel. IV.
Evolution of Hydrogen

SOV/76-32-9-11/46

The simultaneous reduction of the oxygen raises the value of b if the reduction current of the oxygen is allowed for. There are 4 figures, 1 table, and 16 references, 16 of which are Soviet.

ASSOCIATION: Dnepropetrovskiy metallurgicheskiy institut (Dnepropetrovsk Metallurgical Institute)

SUBMITTED: April 1, 1957

Card 2/2

AFANAS'YEV, A.S.; BURMISTROVA, A.N.; CHANKOVA, Ye.N.

Role of hydrogen peroxide in the polarization of a steel electrode
in an alkali by currents of low density. Ukr. khim. zhur. 26
no.5:579-584 '60. (MIRA 13:11)

1. Dnepropetrovskiy metallurgicheskii institut, kafedra fizicheskoy
khimii.

(Hydrogen peroxide)

(Steel)

(Polarization (Electricity))

AFANAS'YEV, A.S.; BURMISTROVA, A.N.; SOTNIKOVA, V.I.; CHANKOVA, Ye.N.

Effect of hydrogen peroxide on the potential of an oxygen electrode on oxidized steel in alkaline solution. Part 2: Passivation of an electrode surface and cyclic polarization. Ukr.khim.zhur. 27 no.5:624-628 '61. (MIRA 14:9)

1. Dnepropetrovskiy metallurgicheskiy institut, kafedra fizicheskoy khimii. (Oxygen) (Polarization (Electricity))

COUNTRY : YUGOSLAVIA V
CATEGORY : Pharmacology and Toxicology. Chemotherapeutical
Preparations. Antibiotics
ABS. JOUR. : RZhBiol., No. 1 1959, No. 4649
AUTHOR : Burianjan, I.; Pavlitsa, D.; Chankovich, T.;*
INST. : -
TITLE : Allergic Manifestations After Administration
of Penicillin
ORIG. PUB. : Med. glasnik, 1957, 11, No.2, 62-64
ABSTRACT : No abstract

* Yanchich, M.

CARD: 1/1

CHANKVETADZE, G. G.

U S S R .

T- F/W

3

Chankvetadze, G. G. Bending of a circular plate supported at several points. Inžen. Sb. 14, 73-80 (1953). (Russian)

The author finds a solution of the problem of determining the bending of a thin circular plate which is uniformly loaded perpendicularly to the plane of the plate, and which is supported at a finite number of points of its periphery. It is stated that this paper was submitted for publication in 1951, before the appearance of the paper on a similar subject by M. M. Fridman [Prikl. Mat. Meh. 15, 258-260 (1951); MR 13, 510]. Some problems of this type had been considered earlier by A. Nádai [Phys. Z. 23, 366-376 (1922); Die elastische Platten . . . , Springer, Berlin, 1925] by a seemingly more laborious method. The results are compared with those of A. I. Lurye [Prikl. Mat. Meh. 4, 93-102 (1940)] and S. P. Timoshenko [Theory of plates and shells, McGraw-Hill, New York, 1940].

J. B. Diaz.

[Handwritten signature]

26

3240. Chankvetadze, G. G. The bending of a plate of constant thickness neglecting tension and compression in Russian. *Gruz. politekh. in-ra* no. 30, 147-162, 1954. Ref. Zh. Mekh. Rev. 4814.

A solution is given for four problems of the bending of a thin circular plate.

The first of these examines the bending of a constrained circular plate under a concentrated load. The second examines the effect of a concentrated moment at the center of a freely supported plate. The third determines the stress condition in a plate under the action of concentrated turning moments at the edge of the plate, and the fourth solves the problem of the bending of a constrained circular plate weakened by an eccentric circular cutout under a concentrated load.

The solution of the last problem is obtained in the form of series obtained by conformal transformation of the plate into a circular annulus by means of a fractionally linear function.

Courtesy Referativnyi Zhurnal M. P. Sheremet'ev, Moscow
Translation, courtesy Ministry of Supply, England

12
MT

Chakvetadze, G. G. Elastic half-space with a spherical cavity. Izden Sb 22 1955 65-73 -Russ.

Axi-symmetric stress systems derived from a stress function with a number of arbitrary parameters. By adjusting the parameters the boundary conditions can be satisfied.

G. G. Chakvetadze, Moscow, U.S.S.R.

CHANKVETADZE, G.G. (Tbilisi)

Elastic semispace with spherical cavity. G.G. Chankvetadze. Inzh.
sbor. 22:65-73 '55. (MIRA 9:5)

(Elasticity)

Phys
Stat
✓ Cankvetadze, G. G. On symmetric deformation of an elastic half-space. *Sobst. Akad. Nauk Gruz. SSR* 17 (1956), 7-14. (Russian)

The displacements are expressed in terms of a stress function ω satisfying the biharmonic equation

$$\nabla^2 \nabla^2 \omega = 0,$$

where

$$\nabla^2 = \frac{\partial^2}{\partial r^2} + \frac{1}{r} \frac{\partial}{\partial r} + \frac{\partial^2}{\partial \lambda^2},$$

(r, θ, z) being cylindrical polar coordinates. ω can be written as

$$\omega = \Phi_1(x, r) + x\Phi_2(x, r) + (x^2 + r^2)\Phi_3(x, r),$$

where

$$\nabla^2 \Phi_k = 0 \quad (k=1, 2, 3).$$

New variables $\xi, \bar{\xi}$ are introduced, where $z = H/(1-\xi)$, $z = x + ir$, and very general expressions for the Φ_k are obtained. The particular case of a concentrated load in the x -direction acting at an interior point, the plane boundary being free, is considered in detail.

R. C. T. Smith (Armidale)

1-F/W

SOV/124-57-3-3350

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 102 (USSR)

AUTHOR: Chankvetadze, G. G.

TITLE: A Contact Problem of an Elastic Medium (Kontaktnaya zadacha uprugoy sredy)

PERIODICAL: Tr. Gruz. politekhn. in-ta, 1956, Nr 1(42), pp 119-124

ABSTRACT: The paper adduces a solution, which is approximate in the manner in which it satisfies the boundary conditions, for a problem of the indentation of a rigid sphere with radius R into one half of a spherical cavity (having the same radius) of a uniform isotropic elastic medium. This solution is represented by the initial terms of an expansion according to Legendre polynomials

$$P_n(x), x = \cos \theta = z / \sqrt{r^2 + z^2}$$

The coefficients of the expansions are derived by a numerical solution (of which an example is adduced) of the linear systems obtained as a result of the reduction of the linear systems with an infinite number of unknowns.

N. A. Rostovtsev

Card 1/1

SOV/124-57-3-3348

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 102 (USSR)

AUTHOR: Chankvetadze, G. G.

TITLE: On the Symmetrical Deformation of an Elastic Half-space (O simmetrichnoy deformatsii uprugogo poluprostranstva)

PERIODICAL: Soobshch. AN GruzSSR, Vol 17, Nr 1, pp 7-14

ABSTRACT: The paper adduces an extension of N. I. Muskhelishvili's methods to the axisymmetric problem of an elastic half-space with a cylindrical or spherical cavity. The author derives equations for the boundary conditions as well as formulas for the general terms of a series representing the biharmonic functions. By this method the author finds a finite expression for the stress functions for the case when a concentrated vertical force is applied at some depth.

N. A. Rostovtsev

Card 1/1

CHANKVETADZE, G.G.

Partially loaded cylindrical cavity in an elastic medium.
Soob.AN Grus.SSR 23 no.1:11-18 J1 '59. (MIRA 13:1)

1. Gruzinskiy politekhnicheskii institut im.Lenina. Predstav-
leno akademikom N.I.Makhelishvili.
(Elasticity)

CHANKVETADZE, G.G.

Calculation of a shell of double curvature under hydrostatic
pressure. Trudy GPI [Grus.] no.6:97-102 '61. (MIRA 1644)
(Elastic plates and shells)

CHANOV, Genrikh Isaakovich; GHEENOV, A.A., red.; GLUBOKOVA, N.A., tekhn.
red.

[Economic accountability within the sections of collective farms
in Stavropol Territory] Vnutrikhospiaistvennyi raschet v kolkhozakh
Stavropol'ia. Moskva, Izd-vo "Sovetskaiia Rossiia," 1961. 21 p.
(MIRA 14:7)

(Stavropol Territory—Collective farms—Accounting)

RUSAKOV, G.K., kand. sel'khoz. nauk; MILYAVSKIY, I.O., kand. sel'khoz. nauk; SHILKO, V.P., kand. sel'khoz. nauk; MARTINENAS, A.N.; BELINSKIY, A.I., agr.-ekonom.; KARPUSHENKO, A.I., agr.-ekon. [deceased]; POSMITNYY, V.M., ekonom.; PANCHENKO, Ya.I., agr.-ekonom.; KVACHEV, V.M., agr.-ekonom.; SOBOLENKO, V.S.; KRAVTSOV, D.S., agronom.; LYSOV, V.F., ekonom.; SHLYAKHTIN, V.I., kand. ekon. nauk; TSYBUL'KO, F.Ye.; ORIKHOVSKIY, I.G., agr.-ekonom.; TATUREVICH, N.M., agr.-ekonom.; GARMASH, I.I.; NOSACHENKO, V.F., inzh.-ekonom.; MUKHITSULLIN, Sh.M., agr.-ekonom.; ROZENTSVAYG, A.L., agr.-ekonom.; BERLIN, M.Z., dots.; IVANOV, K.I., agr.-ekonom.; SILIN, A.G., ekonom.; LIKHOT, I.K.; CHANOV, G.I., kand. ekon. nauk; MIKHAYLOV, M.V., kand. ekon. nauk; GORELIK, L.Ya., red.

[Planning and economical operation on collective farms]
 Planirovanie i rezhim ekonomii v kolkhozakh. Moskva,
 Ekonomika, 1965. 258 p. (MIRA 18:5)

1. Zaveduyushchiy otделom ekonomiki i organizatsii kol-
 khoznogo proizvodstva Nauchno-issledovatel'skogo insti-
 tuta ekonomiki sel'skogo khozyaystva Litovskoy SSR (for
 Martinenas). 2. Zaveduyushchiy otделom Stavropol'skogo
 krayevogo komiteta KPSS (for Likhota).

CHANOV, T. V.

"Free Interspecies Hybridization as a Method for the Improvement of the Economic-Biological Properties of Winter Wheat." Cand Agr Sci, Gor'kiy Agricultural Inst, Min Higher Education USSR, Gor'kiy, 1955. (KL, No 10, Mar 55)

SO: Sum No. 670, 29 Sep 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

CHANOV, T.V.

U S S R .

9909* Experiment in the Use of Organic and Mineral Mixtures. Opyt primeneniia organo-mineral'nykh smesei. (Russian.) T. V. Chanov, I. N. Pantelev, and A. V. Dorozhnikov. *Zemledelie*, v. 3, no. 5, May 1955, p. 68-72. Mixtures of lime, superphosphates, phosphoric, composts, etc., used on the soils of several areas. Yields of potatoes, cereal grain plants, and cabbage. Recommendations. Tables.

USSR/Cultivated Plants - Grains

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82262

Author : Chanov, T.V., Sedova, K.A.

Inst : -

Title : Gor'kovchanka Variety of Winter Wheat

Orig Pub : Seleksiya i semenovodstvo, 1957, No 6, 56-57

Abstract : The new variety was bred by Gor'kovskaya agricultural experimental station for turf-podzolic soils of the left shore rayons of Gor'kovskaya Oblast'. Gor'kovchanka does not damp off, is resistant to the fall of the grain; it is more winter resistant than the district variety Ul'yanovka and has good bread baking qualities. For 10 years of trials (1947-1956) on the fields of Gor'kovskaya experimental station the average yield of the new variety comprised 32.3 centners/ha. In trials under production conditions the average yield for 8 years was 3.3 centners/ha higher then the yield fo hybrid 46/131. At the

Card 1/2

- 9 -

"USSR/Cultivated Plants - Grains

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82262

present time Gor'kovchanka is being tested in 15 oblasts
of the non-chernozem belt. -- N.Ta. Vorontsova

Card 2/2

CHANPALOV, P.F.

Effect of the degree of protein splitting in fish autolysates on
the growth of enteric bacteria. Vak. 1 syv. no.1:212-222 '63.
(MIRA 18:8)

1. Dagestanskiy institut pitatel'nykh sred.

MERZHANIAN, A.A.; CHANPALOVA, N.F.

Stability of monodisperse wine foam. Izv.vys.ucheb.zav.:
pishch.tekh. no.6:80-87 '59. (MIRA 13:5)

1. Krasnodarskiy institut pishchevoy promyshlennosti. Kafedra
tekhnologii vinodeliya.
(Wine and wine making) (Foam)

CHANTIAZEM, Abel Erastovich.

[Budget of the city of Tiflis and some problems in the development
of the city's economy] [Budzet goroda Tbilisi i nekotoryye voprosy
razvitiia gorodskogo khoziaistva. Tbilisi, Akad. nauk Gruzinskoi SSR]
1957. 168 p. (MIRA 11:10)

(Tiflis—Finance)

KHUBUTIYA, R.A., starshiy nauchnyy sotrudnik; CHANTLADZE, M.N.,
mladshiy nauchnyy sotrudnik

Herbicides in tea plantations. Zashch. rast. ot vred. i bol.
8 no.3:21-22 Mr '63. (MIRA 17:1)

1. Gruzinskiy institut zashchity rasteniy, Tbilisi.

CHANTLADZE, T. L., NASKIDASHVILI, I. D., MOGULISHVILI, L. M., GVAKHARIA, V. V.,
ABASHIDZE, K. A., and BOGDADADZE, N. V.

"Neutron Activation Analysis of Manganese Ore"

paper presented at the All-Union Seminar on the Application of
Radioactive Isotopes in Measurements and Instrument Building,
Frunze (Kirgiz SSR), June 1961

So: Atomnaya Energiya, Vol 11, No 5, Nov 61, pp 468-470

CHANTLADZE, T.L.

Stochastic differential equations in Hilbert space. Trudy
Vysh. tsentr. AN Gruz. SSR 5:106-124 '65.

Sufficient conditions for the differentiability of measures
corresponding to Markov processes with values from Hilbert
space. Ibid.:125-130 (MIRA 18:9)

8/0251/64/033/003/0529/0534

ACCESSION NR: AP1031761

AUTHOR: Chentladze, T. L.

TITLE: Stochastic differential equation in Hilbert space (Presented by Academician N. P. Vekua on 30 May 1963)

SOURCE: AN USSR. Soobsheniya, v. 33, no. 3, 1964, 529-534

TOPIC TAGS: stochastic differential equation, Hilbert space, separable Hilbert space, Brownian motion, stochastic integral

ABSTRACT: The author studies the stochastic differential equation

$$d\xi(t) = a(t, \xi(t))dt + \sum_{k=1}^{\infty} b_k(t, \xi(t))dw_k(t), \quad (1)$$

where $a(t, x)$ and $b_k(t, x)$ ($k = 1, 2, \dots$) are functions mapping $[t_0, T] \times R \rightarrow R$.

$b_k(t, x)$ are mutually orthogonal, the series $\sum_{k=1}^{\infty} b_k$ converges with probability 1

Card 1/2

ACCESSION NR: AP4031761

(here $[t_0, T]$ is a segment, R is a separable Hilbert space, and $w_k(t)$ ($k = 1, 2, \dots$) are independent Brownian motion processes). Equation (1), as an ordinary differential equation, must be solved under certain initial conditions. The author proves theorems concerning uniqueness of the solution to within stochastic equivalence, existence of a Markov process solution, sufficient conditions for the solution to be twice differentiable, and a theorem concerning a functional on the solution. He finds sufficient conditions for absolute continuity of the measures corresponding to Markov processes with values in R with the help of stochastic equations. Orig. art. has: 4 formulas.

ASSOCIATION: Akademiya nauk Gruzinskoy SSR, Vychislitel'nyy tsentr (Academy of Sciences, Georgian SSR, Computing Center)

SUBMITTED: 03Oct63

DATE ACQ: 01May64

ENCL: 00

SUB CODE: MA

NO REF SOV: 002

OTHER: 000

Card 2/2

KAKABADZE, A.I.; CHANTLADZE, V., red.; AVALIANI, N.M., red. izd-va;
BOKERIYA, N.B., tekhn. red.

[Laws governing the financial development of the Georgian S.S.R.]
Zakonomernosti razvitiia finansov Gruzinskoi SSR. Tbilisi, Izd-vo
Akad. nauk Gruzinskoi SSR. Pt.1. [Finances of the Georgian S.S.R.
during the period of the building of socialism, 1921-1937] Finansy
Gruzinskoi SSR v period postroeniia sotsializma, 1921-1937 gg.
1962. 238 p. (MIRA 15:5)

(Georgia--Finance)

CHANTLADZE, Z.I.; KHMALADZE, G.N.

The hydrochemical regime of some glacial rivers of western Georgia.
Trudy TbilNIGMI no.13:79-89 '63. (MIRA 18:8)

1. Zakavkazskiy nauchno-issledovatel'skiy gidrometeorologicheskiy
institut.

CHANTLADZE, Z.I.

Characteristics of the general hardness of river water in Georgia.
Trudy TbilNIGMI no.15:137-143 '64.

(MIRA 18:10)

CHANTLADZE, Z.I.

Hydrochemical characteristics of the formation of local runoff
under conditions of the mountain drainage areas of Georgia.
Trudy GGI no.119:53-66 '65. (MIRA 18:9)

CHANTLADZE, Z.I.; SIDOROVA, L.V.

Annual change in the mineralization of water of the rivers
of Georgia. Sbor. rab. po gidrol. no.4:134-140 '64.

(MIRA 19:1)

1. Zakavkazskiy nauchno-issledovatel'skiy gidrometeorologi-
cheskiy institut.

L 33795-66 EWT(m)

ACC NR: AP6025117

SOURCE CODE: UR/0223/66/000/003/0021/0021

AUTHOR: Chantsev, K. A. (Engineer); Grigor'yev, L. A. (Engineer)

ORG: none

TITLE: Scientific-technical conference

SOURCE: Avtomatika, telemekhanika i svyaz', no. 3, 1966, 21

TOPIC TAGS: data processing conference, computer, railway engineering, industrial automation, computer technology, computer design

ABSTRACT: Last year, a conference on "the Usage of Computers and Automatic Digital Equipment for Automatic Control of Railroad Travel at Industrial Enterprises" was held in Dnepropetrovsk. Reports were read on: the creation of a reliable design for car and bed-mounted automatic code-reading devices, to automatically read off the encoded car number from each railroad car which passes over the bed-mounted reading equipment; work on this subject is going on in the USSR as well as abroad. The optimal variant seems to be to have the permanent information (car number, number of axles, etc.) as well as the variable information (contents, load, etc.) represented in the form of a series of radiation sources attached to the bottom of the car, sensed by a counter under the tracks. [JPRS: 36,087]

SUB CODE: 09, 05, 13 / SUM DATE: none

Card 1/1 B.L.G.

41
B

19

KATONA, Z.; CHANTSEVA, V. [translator]

Medical electrical thermometers. Nauka i zhizn' 30 no.5:17-18
My '63. (MIRA 16:10)

ANDRONIKASHVILI, E.L.; BUDA, B.G.; KIKNADZE, G.I.; FEL'DMAN, L.I.;
CHANTURIYA, V.M.

Model of a radiative indium-gallium loop for the IRT-2000 reactor
at Tbilisi. Atom. energ. 13 no.4:342-349 0 '62. (MIRA 15:9)
(Nuclear reactors)

L 43919-65 EEG(b)-2/EEB-2/ENA(h)/EWI(d)/EWI(1)/EWP(1) Pg-4/Pk-4/Pl-4/Pm-4/Pt-4/
Pq-4/Pe-4 IJP(c) GG/BB

ACCESSION NR: AR4046579

S/0271/64/000/008/B051/B051

SOURCE: Ref. zh. Avtomat., telemekh. i vychisl. tekhn. Svodnyy tom, Abs. 6B331

AUTHOR: Chantsev, K. A.

TITLE: Enhancing the reliability of operation of the automatic "Ural-2" digital computer

CITED SOURCE: Sb. Programmir. i elektronika. Khabarovsk, 1963, 134-147

TOPIC TAGS: computer / Ural-2 computer

TRANSLATION: Improvements and alterations in the principal circuits as introduced at the Khabarovsk Institute of RR Transportation Engineers and insuring higher reliability of the computer are described. Principal characteristics and block diagrams of the "Ural-2" computer are supplied. Changes in the following units are described: (a) the arithmetical unit (control of the number mass channels); (b) the control unit (devices: 01, command counter, output control); (c) ferrite-type storage; (d) magnetic-drum storage (recording and reproduction unit). The alterations include rewinding of impulse transformers, reconnecting of some circuits, replacing resistors, introducing diode limiters, adding filter capacitors.

Cord 1/2

L 43919-55

ACCESSION NR: AR4046579

and other small improvements and replacements. It is noted that the above alterations and improvements brought about a much higher reliability of the computer operation. Eleven illustrations.

SUB CODE: DP

ENCL: 00

Card 2/2 *mtb*

FEDOTIKOV, Aleksandr Petrovich; TARASEVICH, R.M., dotsent, retsenzent;
~~CHAYSEY, M.V., inzh., red.;~~ BOGOMOLOVA, M.F., izd.red.;
PUKHLIKOVA, N.A., tekhn.red.

[Brief handbook for mechanical engineers] Kratkiy spravochnik
tekhnologa-mashinostroitelia. Izd.2., perer. Moskva, Gos.
nauchno-tekhn.isd-vo Oborongiz, 1960. 401 p.

(MIRA 14:3)

(Mechanical engineering)

USSR / Diseases of Farm Animals: Arachno-Entomoses.

R

Abs Jour : Ref Zhur - Biologiya, No. 2, 1959, No. 7490

Author : Chantsev, V.

Inst : Not given

Title : Pasture Ticks and Measures of Their Control

Orig Pub : Peredov, opyt v s.-kh. Kazakhstana, 1957, No 12,
12-15

Abstract : In order to control ticks which exist on animals,
the latter were treated during pasture and winter
times by being sprayed every 8 - 10 days with
hexachlorocyclohexane or DDT. By using the prepara-
tions mentioned above, paralytic diseases were eradicated
in sheep and tick infestation was reduced to a
minimum. -- A. D. Musin

Card 1/1

CHANTSOV, S. D.

FA 29T86

~~Radio Telegraphy~~
Telegraphy

Oct 1947

"Polarential Method of Telegraphy," S. D. Chantsov,
Candidate in Technical Sciences, 2 pp

"Vestnik Svyazi - Elektrosvyaz" No 10 (91)

pp 10-12-13

This method of communications works on the principle of a two-band transmission in one direction (polar) and a change of current (differential) during transmission in another direction. It is far more effective than the half-duplex method. Schematic diagram of the polarential circuit. Formulas are given for calculating the current.

LC

29T86

CHANISOV, S. D.; ZELIGER, N. B.; IGRAT'YEV, A. D.; NAUMOV, P. A.

The Fundamentals of Telegraphy (Osnovy telegrafii) issued by Ministry of Higher Education as a textbook, Svyaz'izdat, 575 pp, 1950

Textbook W-22517, 29 Apr 52

MAJMOV, Pavel Alekseyevich; CHAYTSOV, Sergey Dmitriyevich. Prinsipali uchastnye: PRAMNIK, G.F.; GRIGOR'YEV, V.I. PEREGUDOV, A.N., retsenzent; LESHCHUK, I.A., retsenzent; KORDOBOVSKIY, A.I., retsenzent; TOMASHEVSKIY, B.A., otv.red.; KIRILLOV, L.M., red.; MARIKCH, K.G., tekhn.red.

[Course in telegraphy] Kurs telegrafii. Moskva, Gos.izd-vo lit-ry po voprosam svyazi i radio. Pt.2. [Synchronous apparatus, voice-frequency carrier and subscriber's telegraph exchanges, measurements and automatic control] Sinkhronnye apparaty, tonal'noe i abonent'skoe telegrafirovanie, izmereniia i avtomatizatsiia. 1961. 294 p. (MIRA 14:12)
(Telegraph)

CHANTSOV, Sergey Dmitriyevich; TOMASHEVSKIY, Boris Andreyevich;
GERAZTSOVA, Ye.A., red.; ROMANOVA, S.F., tekhn. red.

[Collection of problems in telegraphy] Sbornik zadach po tele-
grafii. Moskva, Sviaz'izdat, 1962. 101 p. (MIRA 15:7)
(Telegraph—Problems, excercises, etc.)

CHANTSOV, S.D., dots.; KUL'BATSKIY, K.Ye., otv. red.; REKIS, L.Ye.,
red.

[A manual on a senior-year course in "Telegraph communication"]
Uchebnoe posobie po preddiplomnomu kursu "Telegrafnaia sviaz'."
Moskva, Red.-izd. otel VZEIS. Sec.1. 1963. 42 p.
(MIRA 17:9)

TOMASHEVSKIY, Boris Andreyevich[deceased]; CHANTSOV, Sergey
Dmitriyevich; OSIPENKO, Georgiy Ustinovich; NAUMOV, P.A.,
otv. red.; KOMAROVA, Ye.V., red.; SHEFER, G.I., tekhn.red.

[A course in telegraphy] Kurs telegrafii. Moskva, Sviaz'-
izdat, 1963. 254 p. (MIRA 16:6)
(Telegraph)

CHANTURAYA, O. A., Cand Med Sci — (diss) "Concerning the question
on the separation of intrapleural synechia by various methods,"
Tbilisi, 1957, 16 pp, 200 cop. (Tbilisi State Medical Institute)
(KL, 45-60, 129)

MAKHARADZE, Sh.K.; CHANTURAYA, O.A.; GARSEVANISHVILI, Sh.D.

Treatment of chronic coronary insufficiency by means of a
bilateral ligation of internal thoracic arteries. Trudy
Inst. klin. i eksper. kard. AN Gruz. SSR 8:663-666 '63.
(MIRA 17:7)

1. Institut kardiologii AN GruzSSR, Tbilisi.

CHANTURISHVILI, L.S.

797. Панамашвили Ватсваг Георгиевич. Исследование приращения высоты гидросферы над поверхностью земной коры. Влияние атмосферной циркуляции на изменение высоты гидросферы. Вестник Академии наук Грузинской ССР, 1953, 86 с., 32 рис. (Ист. географ. АН Груз. ССР).
Заг. 1954, 11.11.
798. Панамашвили Константин Иосифович. Характеристика атмосферной циркуляции в Грузии с точки зрения динамики атмосферных процессов. Заг. 1949, 20.3.
799. Пригожинский Георгий Мекалисевич. Применение метода перемещения воздушных масс к изучению структуры стратосферы в районе геологической структуры Ступи. Заг. 1949, 20.3.
800. Цахуришвили Леоидзе Александр Александрович. По методу измерения температуры воздуха в стратосфере. Заг. 1949, 21.
801. Цахуришвили Леоидзе Александрович. Исследование структуры стратосферы. Заг. 1949, 21.
802. Цахуришвили Леоидзе Александрович. Исследование структуры стратосферы. Заг. 1949, 21.
803. Цахуришвили Леоидзе Александрович. Исследование структуры стратосферы. Заг. 1949, 21.
804. Цахуришвили Леоидзе Александрович. Исследование структуры стратосферы. Заг. 1949, 21.
805. Цахуришвили Леоидзе Александрович. Исследование структуры стратосферы. Заг. 1949, 21.
806. Цахуришвили Леоидзе Александрович. Исследование структуры стратосферы. Заг. 1949, 21.
807. Цахуришвили Леоидзе Александрович. Исследование структуры стратосферы. Заг. 1949, 21.
808. Цахуришвили Леоидзе Александрович. Исследование структуры стратосферы. Заг. 1949, 21.
809. Цахуришвили Леоидзе Александрович. Исследование структуры стратосферы. Заг. 1949, 21.
810. Цахуришвили Леоидзе Александрович. Исследование структуры стратосферы. Заг. 1949, 21.

Dissertation for degree of
Candidate Physical-Mathematical Sciences

Def. at
Tbilisi State U.

1. CHANTURISHVILI, L. S.

2. USSR 600

4. Prisms

7. Distortion of a homogeneous electric field by irregularity in the daylight surface in the form of a tetrahedral prism and stage, Soob. AN Grus. SSR, 12, No. 10, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

CHANTURISHVILI, L. S.

BUKHNIKASHVILI, A.V.; KEBULADZE, V.V.; CHANTURISHVILI, L.S.

Use of natural electrical fields for the study of non-homogeneity of rock formations. Soob. AN Grus. SSR 14 no.4:205-209 '53. (MIRA 7:3)

1. Akademiya Nauk Gruzinskoy SSR. Institut geofiziki, Tbilisi. (Prospecting--Geophysical methods) (Electric waves)

CHANTURISHVILI, L.S.; VARAZASHVILI, G.S.

Using electric prospecting to study causes of swamp formation.
Trudy Inst.geofiz. AN Gruz.SSR 13:119-127 '54. (MLRA 9:9)
(Prospecting--Geophysical methods) (Swamps)

CHANTURISHVILI, L.S.

Quantitative consideration of the effect of the relief for some cases
of direct current prospecting. Trudy Inst.geofiz.AN Gruz.SSR 14:199-209
'55. (MLRA 9:9)

1. Institut geofiziki Akademii nauk Gruzinskoy SSR, Tbilisi.
(Prospecting—Geophysical methods)

CHANTURISHVILI, Levan Sioyavich, kand.fiziko-matemat.nauk; ZABOROVSKIY,
A.I., prof., red.; MAL'KOVA, N.V., tekhn.red.

[Electric geophysical exploration in designing roads in rugged terrain] Elektrorasvedka pri proektirovanii dorog na pere-
sechennoi mestnosti. Pod red. A.I.Zaborovskogo. Moskva, Nauchno-
tekhn.isd-vo M-va avtomobil'nogo transp. i shosseinykh dorog
RSFSR, 1959. 96 p. (MIRA 12:6)
(Roads---Surveying)

TSITSISHVILI, D.A.; CHANTURISHVILI, L.S.; TATISHVILI, G.V.

Electric potential induced by the action of sea waves in the coastal zone. Soob. AN Gruz. SSR 28 no.2:145-151 F '62. (MIRA 15:3)

1. Akademiya nauk Gruzinskoy SSR, Institut geofiziki, Tbilisi.
Predstavleno chlenom-korrespondentom AN GruzSSR P.G.Shengeliya.
(Georgia--Electric prospecting) (Waves)

CHANTURISHVILI, L. S.

Dissertation defended for the degree of Doctor of Technical Sciences at the Joint Scientific Council of the Geophysical Institute of the Academy of Sciences USSR — Earth Physics, Atmospheric Physics, and Applied Geophysics in 1962:

"Electrical Geophysical Prospecting in Designing Road Over Broken Terrain Localities."

Vest Akad. Nauk SSSR. No. 4, Moscow, 1963, pages 119-145

CHANTURISHVILI, L.S.; KHVITIA, G.P.

Field of a point source in a space represented by three sectors.
Soob. AN Gruz. SSR 30 no.5:559-564 My '63. (MIRA 16:11)

1. Institut geofiziki AN GruzSSR, Tbilisi. Predstavleno chlenom-
korrespondentom AN GruzSSR M.M.Miriana.

ACCESSION NR: AP4016353

S/0251/64/C33/001/0059/0072

AUTHOR: Chanturishvili, L. S. 32

TITLE: Corrections for relief when measuring electrical potential gradient on a flood plain

SOURCE: AN GruzSSR. Soobshcheniya, v. 33, no. 1, 1964, 69-72

TOPIC TAGS: electrical potential, electrical potential gradient, flood plain, electrical prospecting

ABSTRACT: The author has presented certain details to explain some theoretical statements found in the instructions developed at the Tbilisskiy filial Gosudarstvennogo proyektного instituta "Soyuzdorproyekt" (Tbilisi Branch of the State Planning Institute "Soyuzdorproyekt") for electrical prospecting. These refer to the method recommended in the book for correcting values of apparent resistivity when measurements are made on the floor of a valley or on a flood plain. The author considers first the distorted potential of plane-parallel current and secondly the relations on a flood plain with homogeneous current. He

Card 1/2

ACCESSION NR: AP4018353

then develops the theoretical means of determining the proper correction on the basis of a V-shaped valley and a rounded floor that merges into the valley sides. By extending the sides of the V downward till they intersect and then drawing a horizontal line between the sides tangent to the floor of the valley, he obtains a triangle that he employs to gauge the accuracy of the correction. If the distance from the apex of the triangle (bottom of the V) to the point of tangency where the curve of the floor joins the side of the V is more than ten times the distance from the apex to the valley floor, the correction becomes very accurate. Several values of ratios between these two distances are given with the corrections that must be made for each. Orig. art. has: 1 figure, 2 tables, and 2 formulas.

ASSOCIATION: Akademiya nauk Gruzinskoy SSR Institut geofiziki (Academy of Sciences, Georgian SSR, Institute of Geophysics)

SUBMITTED: 19Mar63

ENCL: 00

SUB CODE: EM, ES

NO REF SOV: 003

OTHER: 000

Card 2/2

CHANTURISHVILI, L.S.

Nature of induced polarization. Soob. AN Gruz. SSR 34 no.2:
313-318 My '64. (MIRA 18:2)

1. Institut geofiziki AN Gruzinskoy SSR. Submitted May 11, 1963.

CHANTURISHVILI, M.I.

Chemical qualities of the soil connected with chlorosis of grape vines. M. I. Chanturishvili (Inst. Agrochem. Melioration and Soil Sci., Acad. Sci. Georgian S.S.R., Tiflis). *Soobshcheniya Akad. Nauk Gruzin. S.S.R.* 13, 107-74(1952).—Chlorosis of grape vines is observed on calcareous, irrigated chestnut soils of eastern Georgia. Citric acid (1%) dissolved less than 60 mg. Fe/100 g. of soil from those soils on which chlorosis was observed and more than this amt. from soils on which chlorosis was not observed. Chem. analyses showed that the contents of humus, N, and available P were not significantly different between any of the soils.

Ronald G. Menzel

CHANTURASHVILI, P. S.

The Mechanics of the Development of the Eye

Dissertation presented in 1947

Soobshcheniya Akademii Nauk, Gruziinskoy SSSR, Vol 10, No ⁷3, 1949
S117, pp 41 & 56

Type of Degree: NOT given in source.

CHANTURASHVILI, P. S.

The Problem of the Absence of Induction of the Formation of the Crystalline Lens
during Typical Movement of the Eye

presented by F. A. Zaytsev, 26 March 1949

Soobshcheniya Akademii Nauk, Gruzinskoy SSR, Vol 10, No 9, 1949
S117, pp 41 & 56

CHANTURISHVILI, P.S.

Acceleration of organogenesis of the eye under atypical conditions
of development [in Georgian with summary in Russian]. Trudy Zool.
inst. AN Gruz.SSR 10:257-266 '51. (MLRA 7:7)
(Amura) (Crystalline lens)

CHANTURISHVILI, P.S.

Regeneration of the normal crystalline lens following removal of a cataract in mammals. Soob.AN Grus.SSR 16 no.10:815-820 '55.

(MLRA 9:5)

1. Akademiya nauk Gruzinskoy SSR, Institut eksperimental'noy i klinicheskoy khirurgii i gematologii, Tbilisi. Predstavleno deystvitel'nyy chlenom Akademii K.D. Erstavi.

(Crystalline lens)

CHANTURISHVILI, P.S.

USSR/General Biology - Individual Development

B-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, No 9518

Author : Chanturishvili, P.S.

Inst : Not Given

Title : A Study of Possibilities of Regeneration of Full-Value Crystalline Lens in Mammals.

Orig Pub : V. sb.: Probl. sovrem. embriologii, L., Un-t, 1956, 352-356

Abstract : When the crystalline lens is removed in mammals and the crystalline pouch remains, the cataractal crystalline lenses are regenerated. On the assumption that a basis for obtaining a full-value regenerated organ is the prevention of concretion of crystalline pouch lamina and acute eye inflammation, the author, after removing the cataractal crystalline lens in mice, placed into the pouch a pulp of mouse cerebrum preserved by refrigeration in blood plasma with penicillin. Cataract was brought about by puncturing the crystalline lens pouch.

Card : 1/2

USSR/General Biology - Individual Development

B-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, No 9518

Twenty animals under experiment were examined 160-185 days after the operation. In 4 cases crystalline lenses developed which did not deviate from normal in size or histological structure. The author believes that the pulp of preserved cerebrum stimulated regeneration of a full-value crystalline lens.

Card : 2/2

USSR / General Biology. Individual Development. Sex B
Cells.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14361

Author : Chanturishvili, P. S.
Inst : Institute of Zoology, Academy of Sciences
Georgia SSR

Title : Investigating the Protozoologic Properties of
the Ovarian Capsule Secretion in Laboratory
Mice

Orig Pub : Tr. In-ta zool. AN GruzSSR, 1956, 15, 247-249

Abstract : The amount of fluid in the ovarian capsule of
mice changes within the range of the sex cycle.
Prior to the estrus, the amount of fluid in-
creases sharply; transparent fluid flows fol-
lowing the rupture of the capsule. The study
of the protozoological properties of this fluid,

Card 1/2

USSR / General Biology. Individual Development. Sex B
Cells.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14361

performed on cultures of *Galucoma scintillas* and *Paramecium vaudatum* have shown that during the inactive estrus stage and after estrus all the infusoria die within several hours. In the pre-estrus stage the fluid of the ovarian capsule causes the instantaneous cessation of their mobility and consequently all the infusoria perish. In testing the effect of this fluid on the sperm of mice, it was found that during all the stages of the cycle this fluid acts as a stimulus for the mobility of spermazoids. The author maintains that the secretion of the ovarian capsule possesses a selective effect.
-- K. Z. Kan

Card 2/2

18